

# THE NEW RB2 PRO VIRTUAL REALITY SYSTEM

## FROM THE PIONEERS AT VPL

VPL's RB2 Pro™ provides a standard solution for turning CAD data into simulations for collaborative engineering, training, and visual simulation.

The RB2 Pro is a complete virtual reality system that allows the user to interactively test and experiment with architectural, aerospace, and automotive CAD data. The RB2 Pro runs on the Silicon Graphics Power Series or SkyWriter Workstations.

### RB2 Pro Hardware

The EyePhone LX™ and DataGlove Model 2+™ are standard, as is the RB2 Pro Control Tower, which houses supporting electronics and tracking components. Options include the AudioSphere™, and EyePhone HRX™.

### RB2 Pro Software

**VPL Virtualization™** software adds thickness, hierarchy, and constraint attributes to fully "virtualize" existing CAD data. Optional Virtualization modules can import and process CAD data from the CATIA, Intergraph, Alias, Wavefront, TDI Explore, Multigen, Arris, AutoCAD, Vertigo, and Cubicomp formats.

**Body Electric™**, for the SGI IRIS workstations, is a real-time visual

*The RB2 Pro Virtual Reality System displaying the program Swivel XVR*

programming language that allows the user to interactively build virtual world dynamics. New features include NetData™, networked data communications across Ethernet and serial networks, and C-Link™, easy integration of external C language programs. NetData can send and receive data with other processes and devices thus allowing multi-user virtual reality and distributed simulation. Portions of virtual world models and dynamics can now be dynamically linked.

**Isaac™** is RB2 Pro's real time visual renderer. New features in Isaac 2.0 include dynamic local lights, dynamic atmospheric effects, textured objects, dynamic shape-change, performance optimization tools, multi-processor control, and support for non-optimal geometric models, including auto-triangulation and correct two-sided rendering. Optional modules available for Isaac include the optimized SkyWriter Dual Pipe Renderer, RB2 Radiosity, and



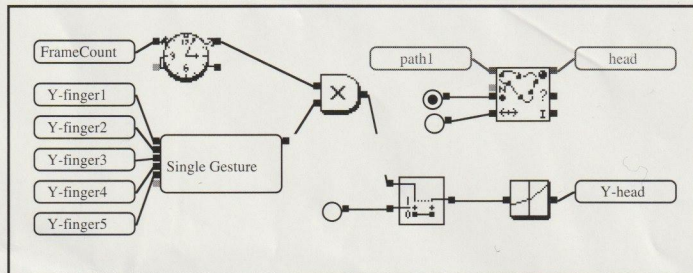
StereoView (an interface for StereoGraphic's Crystal Eyes).

**Swivel XVR™** allows users to further edit virtualized CAD data or create 3D objects. Swivel follows in the footsteps of VPL's Swivel series of 3D geometry modelers, the most popular on the Macintosh. Swivel XVR includes RenderMan support.

The RB2 Pro follows in the tradition of VPL's original "Reality Built for Two™", introduced in 1989. The RB2 was the world's first, and still is the world's most popular commercial Virtual Reality system.

**RB2 PRO,  
THE NEW STANDARD  
OF POWER IN  
VIRTUAL REALITY.**

*Visual  
Programming  
in Body Electric*



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